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ASUS MAXIMUS VII RANGER (90MB0IE0-M0EAY0)

Intel Socket 1150, Intel Z97, 4 x DIMM DDR3 max. 32GB, 2 x PCIe 3.0/2.0 x16, 1 x PCIe 2.0 x16, 3 x PCIe 2.0 x1, 1 x M.2 Socket 3, 6 x SATA 6Gb/s, Gigabit LAN, ATX

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Price details:

Price excl. VAT: 149.26 €
Eco fees: 0.08 €
VAT 21 %: 31.36 €

Product details:

Product code: 90MB0IE0-M0EAY0
EAN: 4716659765448
Manufacturer: ASUS

180.70 €

* VAT included

Intel® Ethernet
More throughput, less CPU usage and great gaming experiences!
Maximus VII Ranger features the very latest Intel® Ethernet for faster, smoother gaming - always. Intel's LAN has the serious double advantage of reducing CPU overhead and offering exceptionally high TCP and UDP throughput. This significantly reduces the processor's workload, so there's more power for your game and your gameplay!

ASUS engineers used IxChariot, an independent network-assessment test tool, to determine just how much quicker Intel Gigabit Ethernet deals with the smaller (sub-256 bytes) UDP data packets that are vital for responsive gaming. The results are in - and with Maximus VII Ranger your game-data packets flow up to two times (2X) faster than competing gaming-LAN technologies!
LANGuard - RJ45 Reinvented!

Pumped-up throughput. Best surge protection.
ROG has reinvented the LAN port. Advanced signal-coupling technology and premium surface-mounted capacitors improve throughput, while surge-protected and electrostatically-guarded components (ESD Guards) protect your motherboard from lightning strikes and static electricity!

GameFirst III
Network-optimization software for no-delay gameplay!
Exclusive GameFirst III has been upgraded with even more gamer-helping features and an interface that's even more intuitive! GameFirst III helps you to assign top priority to game packets and allocate more bandwidth to the game, ensuring the best online gaming experience.

Choose from a preset mode to suit what you're doing - Optimization, Game, Media Streaming or File Sharing. You can manage bandwidth down to the level of individual applications, with five priority levels (highest, higher, normal, lower, lowest) and even the ability to block specific traffic. GameFirst III even has a built-in Network Monitor tool, so you can supervise your network traffic and test your connection speed to check that you're getting the bandwidth you pay for!
audio

SupremeFX 2014 and Sonic Radar II.
New and improved audio that's beyond compare.
SupremeFX 2014
Precision-engineered audio that's as great as a dedicated sound card
ROG knows the importance of flawless audio - pristine effects and full-range soundtracks make the game. That's why we invest substantial engineering resources to perfect onboard audio. The result is SupremeFX. Cutting-edge isolation technologies minimize electromagnetic interference (EMI) and exceptionally premium components deliver best-in-class audio that's as great as a dedicated soundcard. But we never rest on our laurels, which is why SupremeFX 2014 has been refined even further for Maximus VII motherboards. That means even finer components and superbly clever software innovations for gaming and multimedia experiences beyond compare!

Minimize EMI (electromagnetic interference)
DSonic SenseAmp - Amp up your headset!
Sonic SenseAmp is a ROG invention that detects headphone impedance (below 65 / 65 ~ 150 / 150 or higher ohms) and adjusts the built-in amp automatically, for pitch-perfect listening right away!

Premium Japanese-made ELNA® audio capacitors
FSonic SoundStage - Hardware-level audio-profiles switch
Apply the best settings for your favorite game genres in real time on any OS, via the onboard Sonic SoundStage button. The debug LED displays the mode - FPS (01), racing (02), fighting (03) or sports (04).*
* Sonic SenseAmp and Sonic SoundStage supports only analog-audio front-panel (AAFP) connections

Sonic Studio - Brilliant one-click virtual sound!
Sonic Studio is a brand-new audio-tuning suite that provides an aural treat. Use the one-click Virtual Surround function to 7.1 channels, even through a stereo (2.0-channel) headset. It offers five more superb audio controls, including Reverb, Bass Boost, Equalizer, Voice Clarity and Smart EQ - ensuring that everything you hear sounds just amazing!

Perfect Voice - Simple and effective noise reduction
Sonic Radar II
Scan and detect to dominate!
Designed for first-person shooters (FPS), Sonic Radar II displays a stealthy overlay that shows what opponents and teammates are up to. See the precise direction and origin of in-game sounds such as gunshots, footsteps and call-outs, and practice your enemy-pinpointing skills - and exclusive Audio Enhancement further improves in-game sound for superb hearing awareness. The all-new Sonic Radar II includes a redesigned control panel with customizable game list!

Your keyboard, instantly upgraded!
Fancy a free keyboard upgrade? That's what KeyBot gives you - instantly. Just plug your existing keyboard into the dedicated USB socket to activate the exclusive KeyBot microprocessor on the Maximus VII Ranger. Use the easy-to-use utility to assign macros to function keys F1-F10, launch any application with a single press or control multimedia playback.

TRUEVOLT USB
Stable supply of 5V - front and back!!
Forget the USB power drop-outs!
ROG's TrueVolt USB design delivers a rock-steady 5V supply to both the front and back USB sockets - no drop-outs!

Two 5V isolated linear power supply for all USB ports
-Low noise, low loss.
-Stable 5V* supply to provide clean 5V USB power to minimize potential fluctuations
-All connected equipment (e.g. USB DAC or thumb drivers) benefits from the clean, stable 5V supply at the same time.
*5V output varies from PSUs to PSUs

UEFI BIOS and Secure Erase.
Award-winning simplicity and factory-fresh conditioning for superb performance.

Award-winning UEFI BIOS
Acclaimed by world media as the most-intuitive UEFI BIOS!
The smoothest mouse-controlled graphical UEFI BIOS has been upgraded to deliver faster setup and easier functions, with an even more appealing design for better overclocking and DIY experiences. Whether you're a PC novice or a seasoned overclocker, the EZ and Advanced Modes help you find your way, quickly and easily.

While you protect your back in the game, Maximus VII Ranger protects all sides in the real world.
Gamer's Guardian
All-round protection provides the best quality, reliability and durability

A ready-made gamer's toolkit.
ROG RAMDisk and a raft of fab utilities to make every gaming quest a success.
RAMDisk
Dynamically unleash your RAM - 20X faster than SSD!
With RAMDisk you can turn system memory into superfast temporary storage. Put large files, such as game maps, into RAMDisk and watch loading times fly - you'll never again wait to play. The improved 2014 edition of RAMDisk dynamically allocates memory, so unused RAM is released back to the system when it's needed. You'll even enjoy the bonus of protecting your SSD drives, as RAMDisk reduces excessive reads and writes that can reduce lifespan! Last but not least, the junction function serves as quick links between files and RAM storage. All files are automatically saved and restored to their specific locations on hard drives when you turn your PC off, then go back to RAM when you power on again.

AI Suite 3
One-stop control panel with latest 5-way Optimization function

ROG CPU-Z
ROG-themed CPU-Z shows important system information

Mem TweakIt
Dynamic timing monitoring, DRAM efficiency gauge

USB UEFI BIOS Flashback
Refresh your BIOS in a flash, even when the system is off

Kaspersky® Anti-Virus (1 year)
The best protection from viruses and spyware

DAEMON Tools Pro Standard
(1 year)
The leading tool for optical and virtual discs

ASUS WebStorage
Free cloud storage

ASUS HomeCloud
Access your PC, stream multimedia and manage could stage - anytime and anywhere!

Main specifications:

Memory

Supported memory types:	DDR3-SDRAM
Memory slots type:	DIMM
Memory channels:	Dual
Non-ECC:	Y
Supported memory clock speeds:	1333, 1600, 1866, 2000, 2133, 2200, 2400, 2600, 2666, 2800, 2933, 3000, 3100, 3200 MHz
Maximum internal memory:	32 GB
Unbuffered memory:	Y
Memory slots:	4

Processor

Processor family:	Intel
Compatible processor series:	Celeron, Core i3, Core i5, Core i7, Pentium
Processor socket:	Socket H3 (LGA 1150)
Intel Core i3/i5/i7 series:	i3-4xxx, i5-4xxx, i7-4xxx

Internal I/O

USB 2.0 connectors:	3
USB 3.0 connectors:	1
Supported hard disk drive interfaces:	M.2, Serial ATA III
Number of SATA connectors:	6
CPU fan connector:	Y
ATX Power connector (24-pin):	Y
Number of EATX power connectors:	1
Number of chassis fan connectors:	3
Front panel audio connector:	Y
TPM connector:	Y
Number of SATA III connectors:	6
EPS power connector (8-pin):	Y

Back panel I/O ports

USB 2.0 ports quantity:	2
USB 3.0 ports quantity:	4
Ethernet LAN (RJ-45) ports:	1
PS/2 ports quantity:	1
Headphone outputs:	1
Microphone in:	Y
S/PDIF out port:	Y
VGA (D-Sub) ports quantity:	1
DVI-D ports quantity:	1
HDMI ports quantity:	1

Networking

Ethernet LAN:	Y
LAN controller:	Intel I218V
Ethernet interface type:	Gigabit

Performance

Component for:	PC
Motherboard chipset family:	Intel
Motherboard chipset:	Intel Z97
Motherboard form factor:	ATX
Audio output channels:	7.1
RAID levels:	0, 1, 5, 10
Audio system:	HDA
Windows operating systems supported:	Windows 7 Home Basic, Windows 7 Home Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64

Graphics

Parallel processing technology support:	Quad-GPU CrossFireX, Quad-GPU SLI
Maximum resolution:	4096 x 2160 pixels

Expansion slots

PCI Express x1 (Gen 2.x) slots:	3
PCI Express x16 (Gen 2.x) slots:	1
PCI Express x16 (Gen 3.x) slots:	2

BIOS

BIOS type:	UEFI AMI
BIOS memory size:	64 MB
ACPI version:	5.0a
Clear CMOS jumper:	Y

Processor special features

Intel visual technologies:	Intel Clear Video HD, Intel Insider, Intel InTru 3D, Intel Quick Sync Video
Intel Turbo Boost Technology:	2.0
Intel Smart Response Technology:	Y

Weight & dimensions

Width:	305 mm
Depth:	244 mm

Packaging content

Cables included:	SATA

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